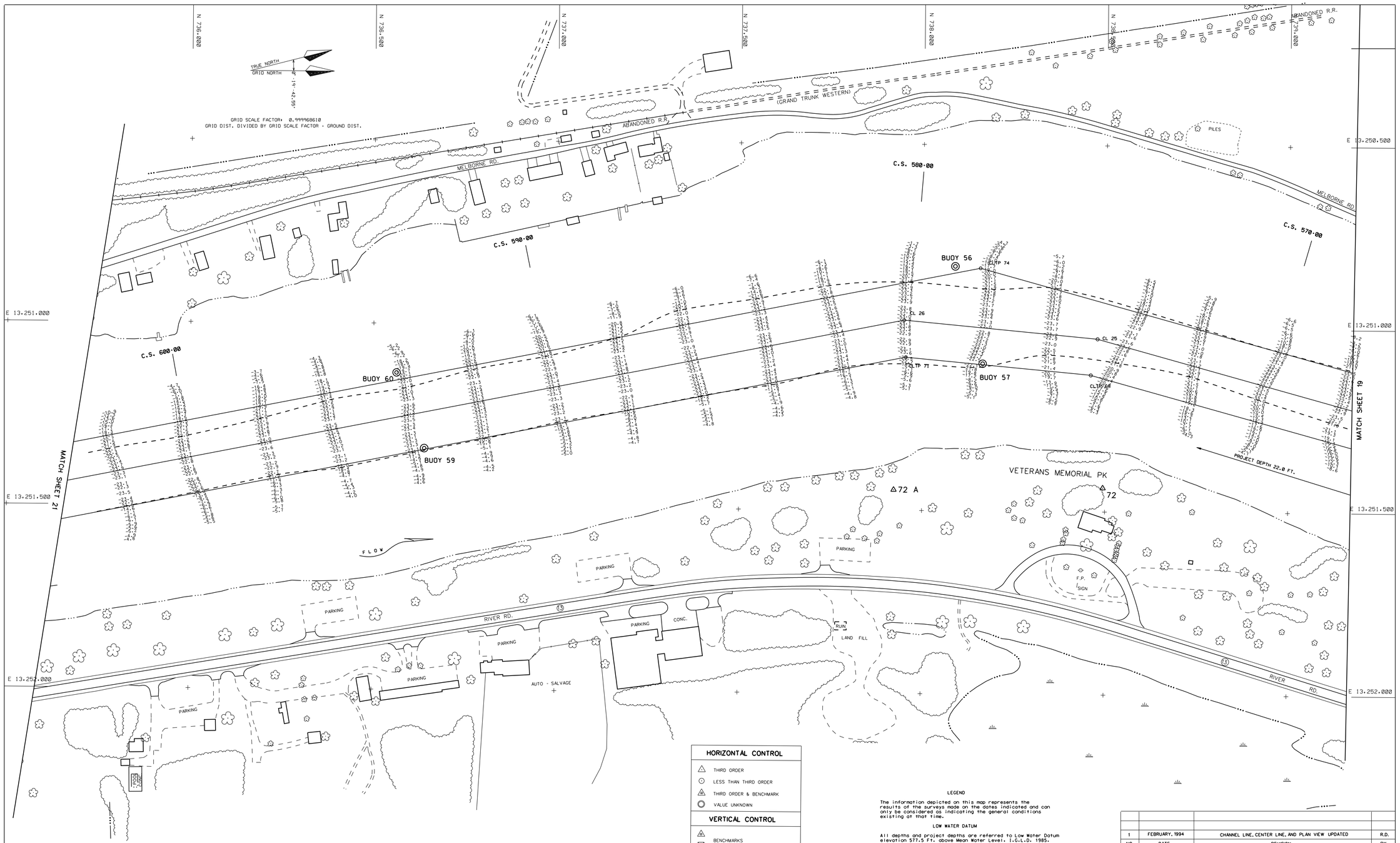

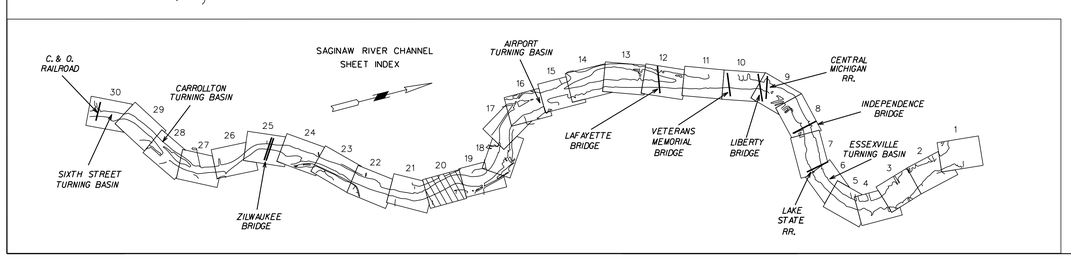

HORIZONTAL CONTROL

- △ THIRD ORDER
- ⊙ LESS THAN THIRD ORDER
- △ THIRD ORDER & BENCHMARK
- ◎ VALUE UNKNOWN

VERTICAL CONTROL

- BENCHMARKS

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
69	13,251,127.11	738,459.50
71	13,251,081.41	737,953.94
74	13,250,837.02	738,156.23

CENTER LINE T.P.

T.P.	EAST X	NORTH Y
25	13,251,028.31	738,477.31
26	13,250,980.51	737,948.54

LEGEND

The information depicted on this map represents the results of the surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

LOW WATER DATUM

All depths and project depths are referred to Low Water Datum elevation 577.5 Ft. above Mean Water Level. I.G.L.D. 1985.

GRID COORDINATES

Grids shown are based on the National Geodetic Survey Projection Tables. State of Michigan. South Zone (2113). Lambert Projection. 1983 North American Datum. US SURVEY FOOT.

Navigation Buoys

Location of navigation buoys represents that general location on the date of the survey and cannot be considered for navigation.

Project Information

Project Depth - 22.0 Ft.

22.0 Ft. contour shown thus — — — — — — —

Survey Information

Survey by R. DELESTOWICZ
Date of survey **18 AUGUST, 2004**

Position system Ashtech Z-12 & MRB-2a DGPS via Coast Guard System
Sonic sounder Innerspace 448
Transducer 208 KHz with 8.0 degree beam angle

NO.	DATE	REVISION	BY
1	FEBRUARY, 1994	CHANNEL LINE, CENTER LINE, AND PLAN VIEW UPDATED	R.D.

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

DRAWN BY R. DELESTOWICZ
DESIGNED BY
CHECKED BY
REVIEWED:
SUBMITTED:
CHIEF, PROJ OPNS SEC CHIEF, OPER & MAINT BR

SAGINAW RIVER MI.

RIVER SECTION

CONDITION AUGUST, 2004

SAGINAW FIELD OFFICE

APPROVAL RECOMMENDED:

DATE

APPROVED

PE
CHIEF, CONST-OPNS DIV

SCALE 1" = 100'

DRAWING NUMBER

SHEET 20 OF 30 **SGR2004C.DGN**

DATE OF PHOTOGRAPHY

THIS PLAN ACCOMPANIES CONTRACT NO.